



RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/089,292
Source: PCT10
Date Processed by STIC: 2/25/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Raw Sequence Listing Error Summary

PC710

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10 | 089,292

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10 ✓ Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



Does Not Comply
Correction is Needed

PCT10

Error on p 2

RAW SEQUENCE LISTING

DATE: 02/25/2003

PATENT APPLICATION: US/10/089,292

TIME: 12:11:36

Input Set : A:\Serial No. 10-089,292 Sequence Listing

Output Set: N:\CRF4\02252003\J089292.raw

3 <110> APPLICANT: NG, Mun Hon
 4 IM, Stanley
 5 ZHANG, Ji-Zhong
 7 <120> TITLE OF INVENTION: NOVEL HEV ANTIGENIC PEPTIDE AND METHODS
 9 <130> FILE REFERENCE: IEC010036US
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/089,292
 12 <141> CURRENT FILING DATE: 2000-09-28
 14 <160> NUMBER OF SEQ ID NOS: 3
 16 <170> SOFTWARE: PatentIn version 3.1
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 642
 20 <212> TYPE: DNA
 21 <213> ORGANISM: Hepatitis E virus
 23 <400> SEQUENCE: 1
 24 cagctgttct actctcgtcc cgctcgtctca gccaatggcg agccgactgt taagctttat 60
 26 acatctgtag agaatgctca gcaggataag ggtattgcaa tcccgcata ga catcgacctc 120
 28 ggggagtcctc gtgtagttat tcaggattat gacaaccaac atgagcagga cgcaccgaca 180
 30 ccttccccag ccccatcgcg ccttttttct gtccctccgag ctaatgatgt gctttggctt 240
 32 tctctcaccg ctgccgagta tgaccagtcc acttacggct cttcgaccgg cccagtctat 300
 34 gtctctgact ctgtgacctt gggttaatgtt gcgaccggcg cgcaggccgt tgcccggtea 360
 36 ctcgactgga ccaaggtcac acttgatggt cgcccccttt ccaccatcca gcagtattca 420
 38 aagaccttct ttgtcctgcc gctccgcggt aagctctcct tttgggaggc aggtactact 480
 40 aaagccgggt acccttataa ttataacacc actgctagt accaactgct cgttgagaat 540
 42 gccgctgggc atcgggttgc tatttccact tacaccacta gcctgggtgc tgggtccgctc 600
 44 tctatttccg cggttgctgt tttagccccc cctccgcgct ag 642
 47 <210> SEQ ID NO: 2
 48 <211> LENGTH: 213
 49 <212> TYPE: PRT
 50 <213> ORGANISM: HEV
 52 <400> SEQUENCE: 2
 54 Gln Leu Phe Tyr Ser Arg Pro Val Val Ser Ala Asn Gly Glu Pro Thr
 55 1 5 10 15
 58 Val Lys Leu Tyr Thr Ser Val Glu Asn Ala Gln Gln Asp Lys Gly Ile
 59 20 25 30
 62 Ala Ile Pro His Asp Ile Asp Leu Gly Glu Ser Arg Val Val Ile Gln
 63 35 40 45
 66 Asp Tyr Asp Asn Gln His Glu Gln Asp Arg Pro Thr Pro Ser Pro Ala
 67 50 55 60
 70 Pro Ser Arg Pro Phe Ser Val Leu Arg Ala Asn Asp Val Leu Trp Leu
 71 65 70 75 80
 74 Ser Leu Thr Ala Ala Glu Tyr Asp Gln Ser Thr Tyr Gly Ser Ser Thr
 75 85 90 95
 78 Gly Pro Val Tyr Val Ser Asp Ser Val Thr Leu Val Asn Val Ala Thr

RAW SEQUENCE LISTING

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Input Set : A:\Serial No. 10-089,292 Sequence Listing

Output Set: N:\CRF4\02252003\J089292.raw

```

79          100          105          110
82 Gly Ala Gln Ala Val Ala Arg Ser Leu Asp Trp Thr Lys Val Thr Leu
83          115          120          125
86 Asp Gly Arg Pro Leu Ser Thr Ile Gln Gln Tyr Ser Lys Thr Phe Phe
87          130          135          140
90 Val Leu Pro Leu Arg Gly Lys Leu Ser Phe Trp Glu Ala Gly Thr Thr
91 145          150          155          160
94 Lys Ala Gly Tyr Pro Tyr Asn Tyr Asn Thr Thr Ala Ser Asp Gln Leu
95          165          170          175
98 Leu Val Glu Asn Ala Ala Gly His Arg Val Ala Ile Ser Thr Tyr Thr
99          180          185          190
102 Thr Ser Leu Gly Ala Gly Pro Val Ser Ile Ser Ala Val Ala Val Leu
103          195          200          205
106 Ala Pro Pro Pro Arg
107          210
110 <210> SEQ ID NO: 3
111 <211> LENGTH: 34
112 <212> TYPE: DNA
113 <213> ORGANISM: DNA (genomic)
115 <400> SEQUENCE: 3
116 ggcgaatccc tagcgcggag ggggggctaa aaca

```

— invalid response — see error summary
sheet item 10

34

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/089,292

DATE: 02/25/2003

TIME: 12:11:37

Input Set : A:\Serial No. 10-089,292 Sequence Listing

Output Set: N:\CRF4\02252003\J089292.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number